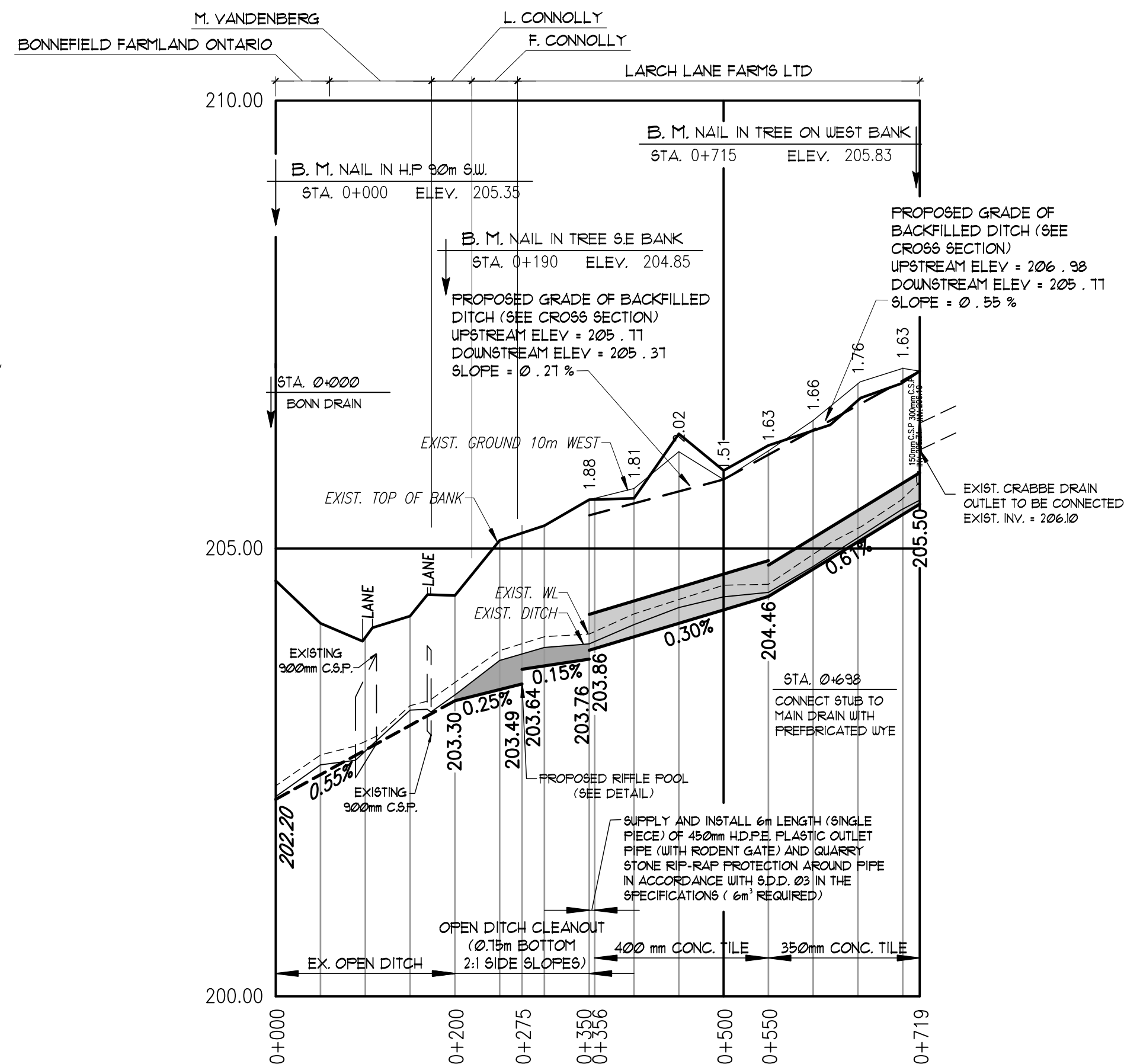


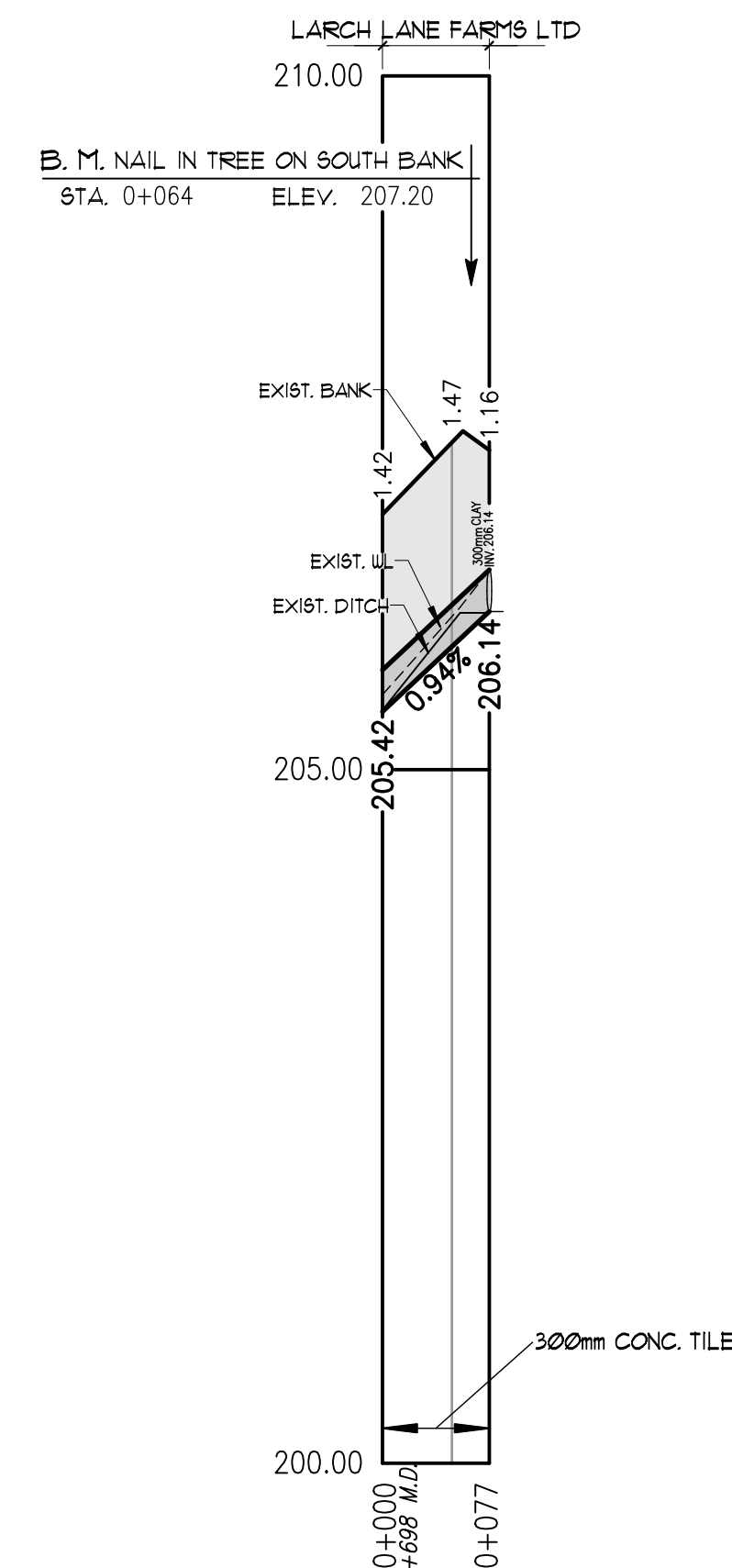
## GENERAL NOTES

- 1/ OUR SPECIFICATIONS DATED JANUARY 2020 APPLY TO THIS PROJECT.
- 2/ THE WORKING WIDTH AVAILABLE TO THE CONTRACTOR TO CONSTRUCT THE NEW DRAINS SHALL CONSIST OF THOSE LANDS IMMEDIATELY ADJACENT TO THE DRAIN AND CONNECTIONS AND SHALL NOT EXCEED THE FOLLOWING AVERAGE WIDTHS:  
OPEN PORTIONS - 15 meters ( INCLUDING 3m BUFFER )  
CLOSED PORTIONS - 15 meters  
THE WORKING WIDTH FOR PURPOSES OF FUTURE MAINTENANCE SHALL BE 10m.
- 3/ ALL OWNERS ALONG THE COURSE OF THE DRAIN SHALL MAKE AN ACCESS ROUTE FROM THE NEAREST ROAD TO THE DRAIN LOCATION AVAILABLE TO THE CONTRACTOR THE AVERAGE WIDTH OF THIS ROUTE SHALL NOT EXCEED 8 METERS. THE ACCESS ROUTE SHALL ALSO APPLY FOR FUTURE MAINTENANCE PURPOSES.
- 4/ a) ALL UTILITIES TO BE LOCATED AND EXPOSED PRIOR TO CONSTRUCTION SO THAT THE NEW TILE GRADES CAN BE CONFIRMED. IF THERE IS A CONFLICT IN ELEVATION BETWEEN THE PROPOSED DRAIN AND THE UTILITY, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY.  
b) CONTRACTOR TO NOTIFY ALL UTILITIES 12 HOURS PRIOR TO HIS SCHEDULED TIME FOR STARTING THE ABOVE WORK.  
c) THE COST FOR THIS WORK SHALL BE INCLUDED IN THE ITEM ON THE EXTENT OF WORK AND NO EXTRA PAYMENT SHALL BE MADE TO THE CONTRACTOR, EXCEPT IF ROAD RESTORATION IS REQUIRED.
- 5/ ALL TREES, SCRUB, BRUSH, ETC. TO BE CLEARED AND GRUBBED IN ACCORDANCE WITH 'SECTION B.3 AND C.4' SPECIFICATIONS.
- 6/ RIP-RAP TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH 'SECTION A.12' IN THE SPECIFICATIONS.
- 7/ CONTRACTOR TO ARRANGE A PRE-CONSTRUCTION MEETING WITH THE ENGINEER, DRAINAGE SUPERINTENDENT, AND THE AFFECTED OWNERS. ALL PARTIES SHALL RECEIVE 48 HOURS NOTICE TO THE MEETING.
- 8/ a) ALL CONCRETE AND PLASTIC TILE AND PIPE TO CONFORM TO 'SECTION C.1' IN THE SPECIFICATIONS.  
a) SEWER PIPE TO BE CONCRETE, H.D.P.E. PLASTIC 320 KPA (BELL & SPIGOT WITH RUBBER GASKETS, CONFORMING TO C.S.A. 1026-08), PVC ULTRA RIB OR PVC SDR 35  
b) CONCRETE TILE SHALL BE HEAVY DUTY
- 9/ EXISTING TILE DRAINS TO BE EXPOSED IN AS MANY LOCATIONS AS ARE NECESSARY TO CONFIRM THEIR EXACT LOCATION AND ELEVATION PRIOR TO CONSTRUCTION. EXACT LOCATION OF NEW TILE DRAINS THEN TO BE CONFIRMED BY DRAINAGE SUPERINTENDENT OR ENGINEER.
- 10/ a) INSTALLATION OF TILE AND TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH 'SECTION C - TILE DRAIN' IN THE SPECIFICATIONS.  
b) ALL CONCRETE TILE AND TILE-PIPE JOINTS TO BE WRAPPED WITH GEOTEXTILE IN ACCORDANCE WITH 'SECTION C.8' IN THE SPECIFICATIONS.  
c) NO CONSTRUCTION EQUIPMENT OR FARM MACHINERY SHALL CROSS OVER THE MOUNDED BACKFILLED TILE TRENCHES UNTIL SUFFICIENT SETTLEMENT HAS OCCURRED.  
d) STRIP AND STOCKPILE TOPSOIL FROM CONSTRUCTION AREA (4 metres width) EXCEPT LANEWAYS & ROADS. EXCESS SPOIL TO BE LEVELLED AND TOPSOIL RELEVELLED OVER SPOIL, MOUNDED TRENCH AND REMAINING CONSTRUCTION AREA.
- 11/ a) THE CONTRACTOR SHALL ENSURE THAT ALL TRIBUTARY DRAINS ARE CONNECTED DURING TIME OF CONSTRUCTION. ANY MISSED TILE CONNECTIONS THAT ARE FOUND DURING THE WARRANTY PERIOD OF THE CONTRACT SHALL BE COMPLETED BY THE CONTRACTOR AND SHALL BE PAID THE AMOUNT SET OUT ON PAGE 2 OF THE 'FORM OF TENDER'. NO ADDITIONAL PAYMENT FOR MOBILIZATION WILL BE ALLOWED. THE CONTRACTOR IS NOT RESPONSIBLE FOR COMPLETING MISSED TILE CONNECTIONS THAT ARE FOUND AFTER THE WARRANTY PERIOD FOR THE CONTRACT HAS EXPIRED.  
b) ALL TILE CONNECTIONS TO BE MADE WITH CORING MACHINE AND PLASTIC ADAPTOR OR PREFABRICATED FITTINGS.  
c) THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A LIST SHOWING STATIONS OF ALL TILE CONNECTIONS UPON COMPLETION OF CONSTRUCTION.
- 12/ SILT FENCE TO BE PLACED ACROSS DITCH BOTTOM AT STA. 0+200 DURING CONSTRUCTION TO PREVENT SILT FROM FLUSHING DOWNSTREAM, AND ARE TO BE MAINTAINED AS NECESSARY DURING CONSTRUCTION. SILT FENCE AND SILT TO BE REMOVED AND DISPOSED OF AFTER CONSTRUCTION.
- 13/ EXISTING DITCH BOTTOM ONLY TO BE CLEANED OUT IN ACCORDANCE WITH SPECIFICATIONS UNLESS OTHERWISE NOTED ON PROFILES AND IN SECTIONS.
- 14/ WORK TO BE COMPLETED FROM AND EXCAVATED MATERIAL TO BE DEPOSITED AND LEVELLED ON THE FOLLOWING SIDES OF THE DITCH IN ACCORDANCE WITH 'SECTION B.5' IN THE SPECIFICATIONS.  
STA. 0+200 TO STA. 0+350 - NORTH SIDE AND LEVELLED
- 15/ A 3 METER WIDE BUFFER STRIP OF NEW & EXISTING VEGETATION BETWEEN THE TOP OF THE BANK AND THE CULTIVATED LANDS ON BOTH SIDES OF THE DITCH SHALL BE MAINTAINED AS PART OF THE OPEN PORTION OF THE DRAIN.
- 16/ NEWLY EXPOSED DITCH BANKS ARE TO BE HAND SEEDING UPON COMPLETION OF CONSTRUCTION IN ACCORDANCE WITH 'SECTION B.11' IN THE SPECIFICATIONS



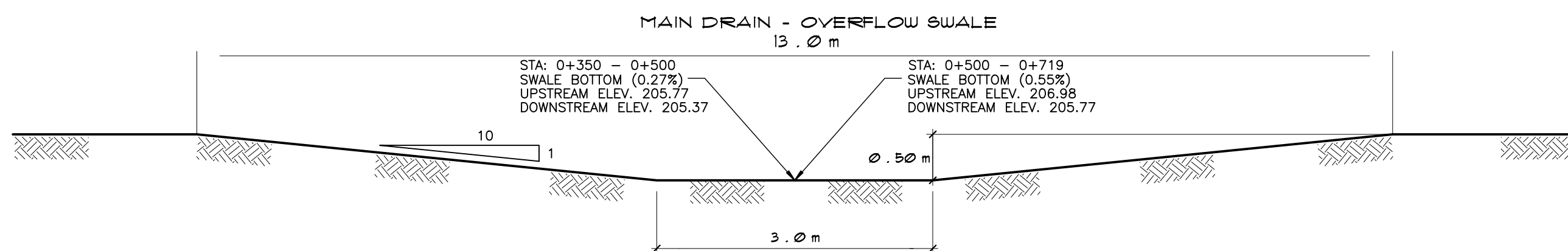
MAIN DRAIN PROFILE

SCALE : HOR 1 : 5,000  
VERT. 1 : 50



STUB

SCALE : HOR 1 : 5,000  
VERT. 1 : 50



TYPICAL CROSS SECTION OF OVERFLOW SWALE CONSTRUCTED OVER BACKFILLED CHANNEL

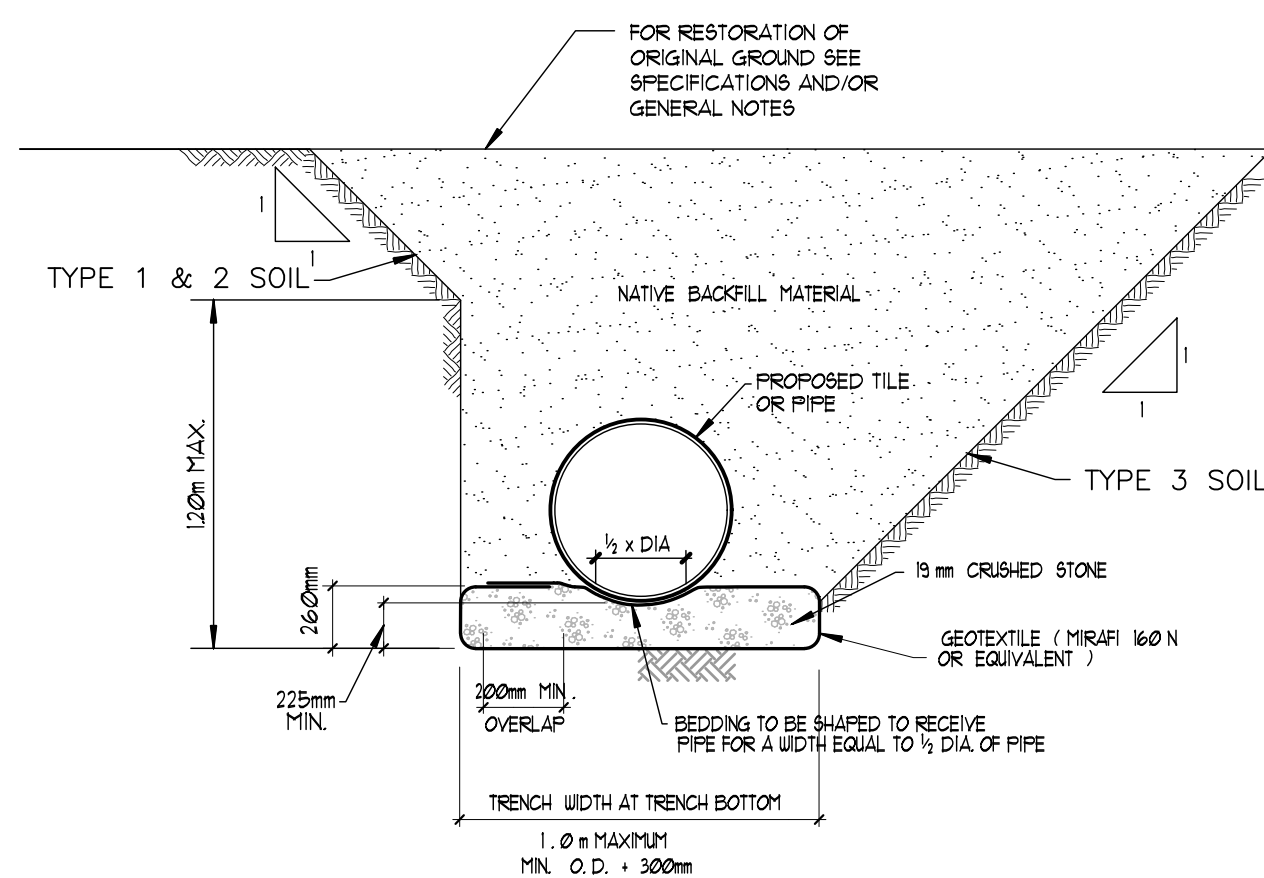
SCALE: N.T.S.

### DITCH BACKFILLING NOTES

STA. 0+350 TO STA. 0+719

EXISTING DITCH TO BE BACKFILLED AND GRADED TO PROVIDE A SURFACE WATERWAY AS FOLLOWS:

- 1) TOPSOIL FROM CONSTRUCTION AREA SHOULD BE STRIPPED AND REDISTRIBUTED AFTER CONSTRUCTION.
- 11) DITCH TO BE BACKFILLED USING EXISTING MATERIAL BLADED IN AND EXCESS TILE TRENCH MATERIAL.
- 111) SURFACE WATERWAY TO BE LOCATED AND SHAPED IN ACCORDANCE WITH SECTION ON THIS DRAWING
- 1111) NEW TILE DRAIN TO BE LOCATED OUTSIDE LIMITS OF WATERWAY AS SHOWN ON PLAN. NO MACHINERY SHALL CROSS OVER THE MOUNDED BACKFILLED TILE TRENCHES UNTIL SUFFICIENT SETTLEMENT HAS OCCURRED.



CRUSHED STONE BEDDING DETAIL

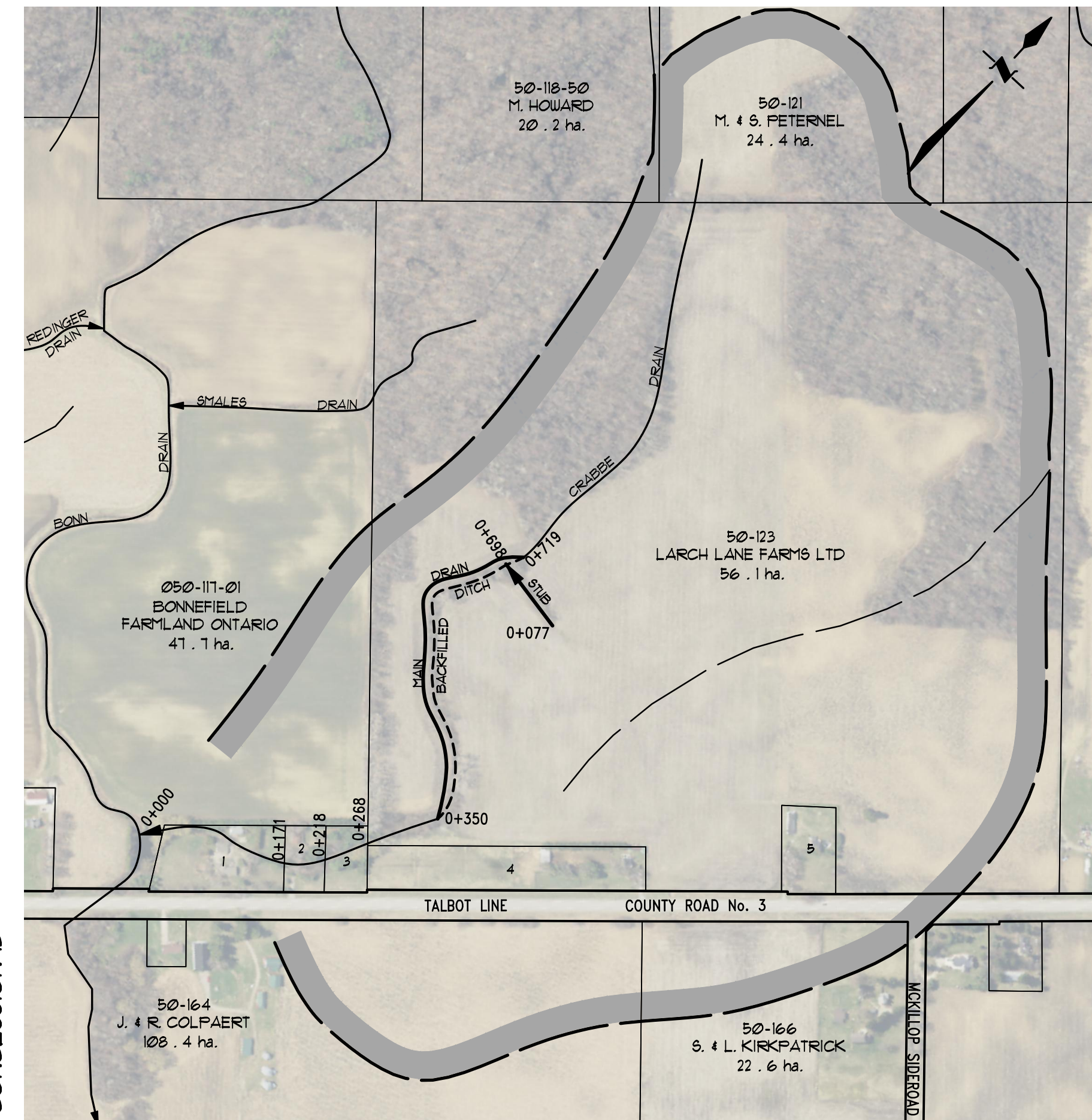
N.T.S.

### LOT LEGEND

ROLL NO.	OWNERSHIP	HECTARES OWNED
1) 50-117-02	M. VANDENBERG	1.03
2) 50-117-03	L. CONNOLLY	0.33
3) 50-117-04	F. CONNOLLY	0.34
4) 50-119	C. BELL	1.50
5) 50-123-10	LARCH LANE FARMS LTD	0.58

LOT 21

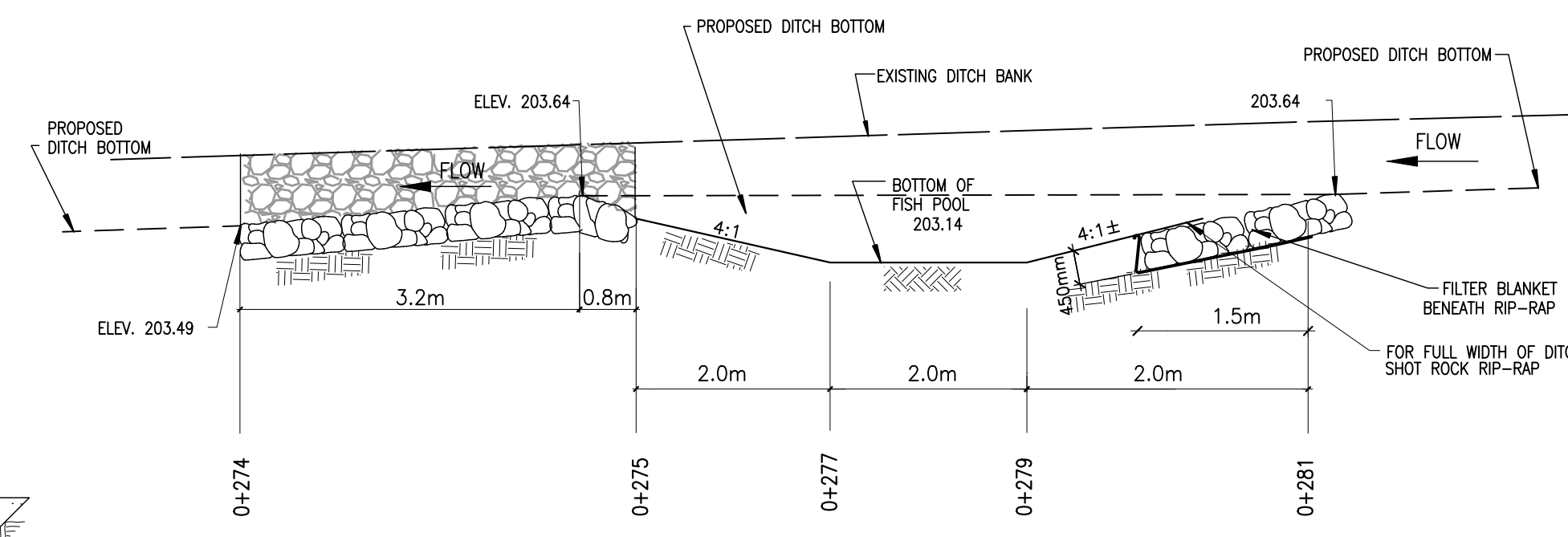
LOT 22



### PLAN LEGEND

—	LIMIT OF WATERSHED AREA
—	PROPOSED DRAINAGE WORKS
—	EXTERIOR OR INTERIOR WATERSHED
---	TO BE BACKFILLED
---	EXIST. MUNICIPAL DRAIN
---	PRIVATE TILE OR SURFACE WATER RUN
---	EXIST. WATERCOURSE OR PRIVATE DITCH
10 - 025	ASSESSMENT ROLL NUMBER
J WITH	OWNERS NAME
40 - 5 ha.	HECTARES OWNED
BUSH AREA	

PLAN SCALE 1 : 5,000



STA 0+275 POOL & RIFFLE

SCALE: N.T.S.

## CRABBE DRAIN



Municipality of  
West Elgin

Municipality of  
West Elgin

Drainage Superintendent:  
TOM MOHAN  
519-785-0560

No.	REVISIONS	DATE



Drawn By: TS	Field Book	JOB No.	Drawing No.
Date: MAY, 1, 2020	D-265	219070	1 of 1

PLAN, PROFILE, & DETAIL

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